

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P846052

Luminaire Tested: **GLAN-SB1C-730-U-SL4-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846052
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-10)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1C-730-U-SL4-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 3000K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV SPILL LIGHT
ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5052 lumens
Efficiency: N/A
Efficacy: 92.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

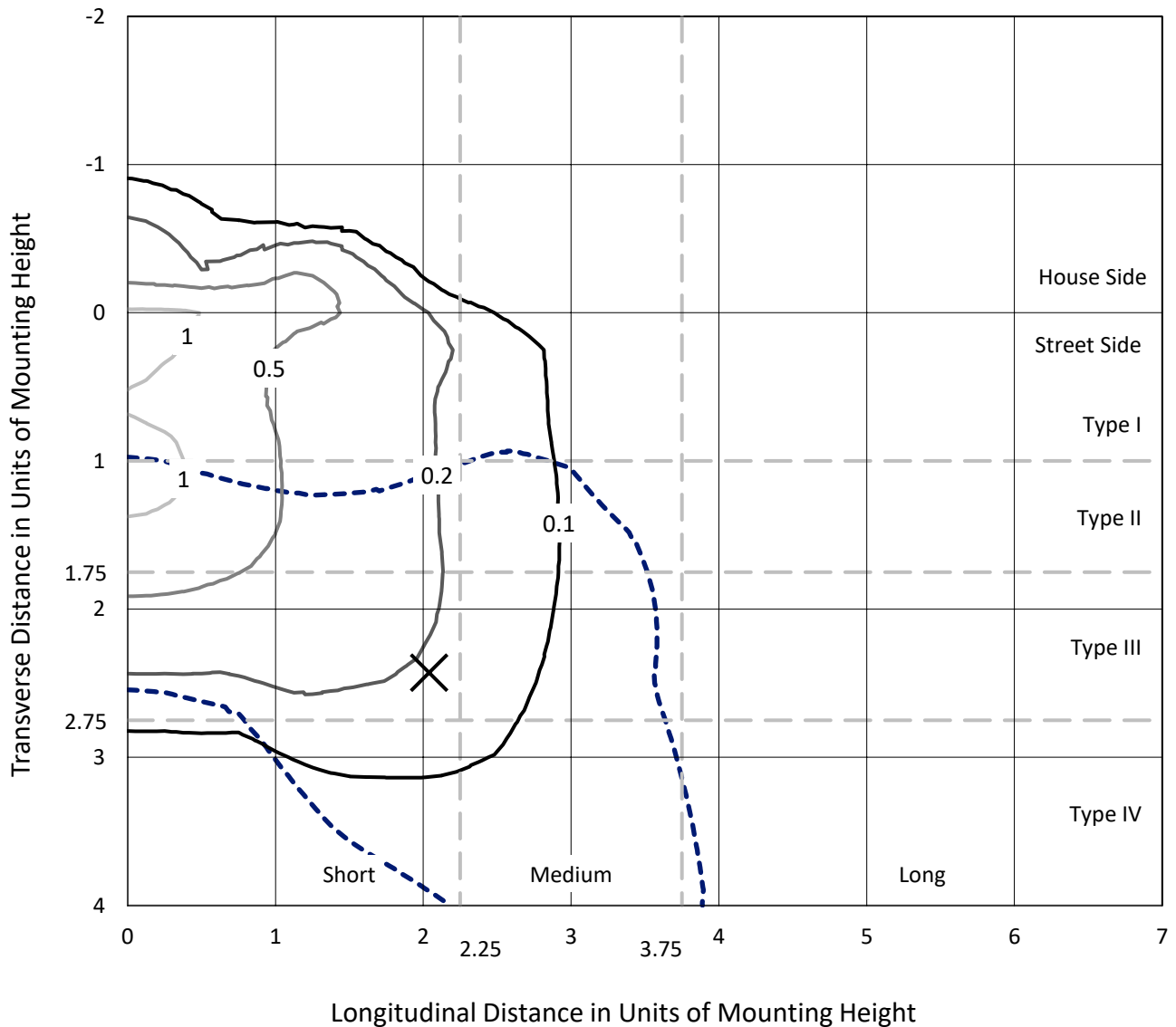
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

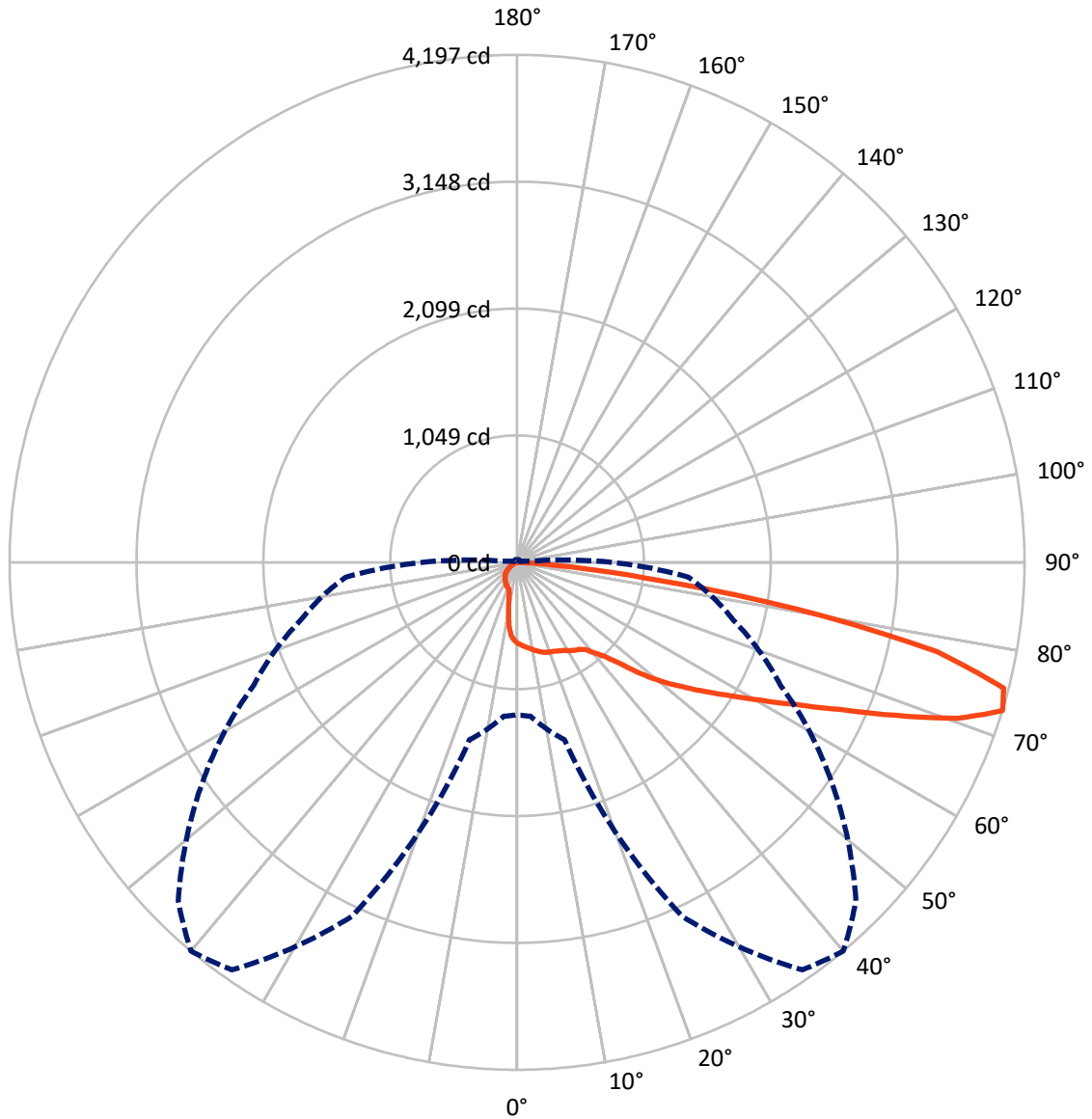
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	652.4	0.0	652.4
	% Fixture	12.9	0.0	12.9
Street Side	Lumens	4399.6	0.0	4399.6
	% Fixture	87.1	0.0	87.1
Total	Lumens	5052.0	0.0	5052.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.1	1.2
10°-20°	165.9	3.3
20°-30°	268.4	5.3
30°-40°	396.3	7.8
40°-50°	667.0	13.2
50°-60°	1035.7	20.5
60°-70°	1295.9	25.7
70°-80°	1061.0	21.0
80°-90°	100.6	2.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5052.0	100.0
0°-180°	5052.0	100.0

Coefficient of Utilization

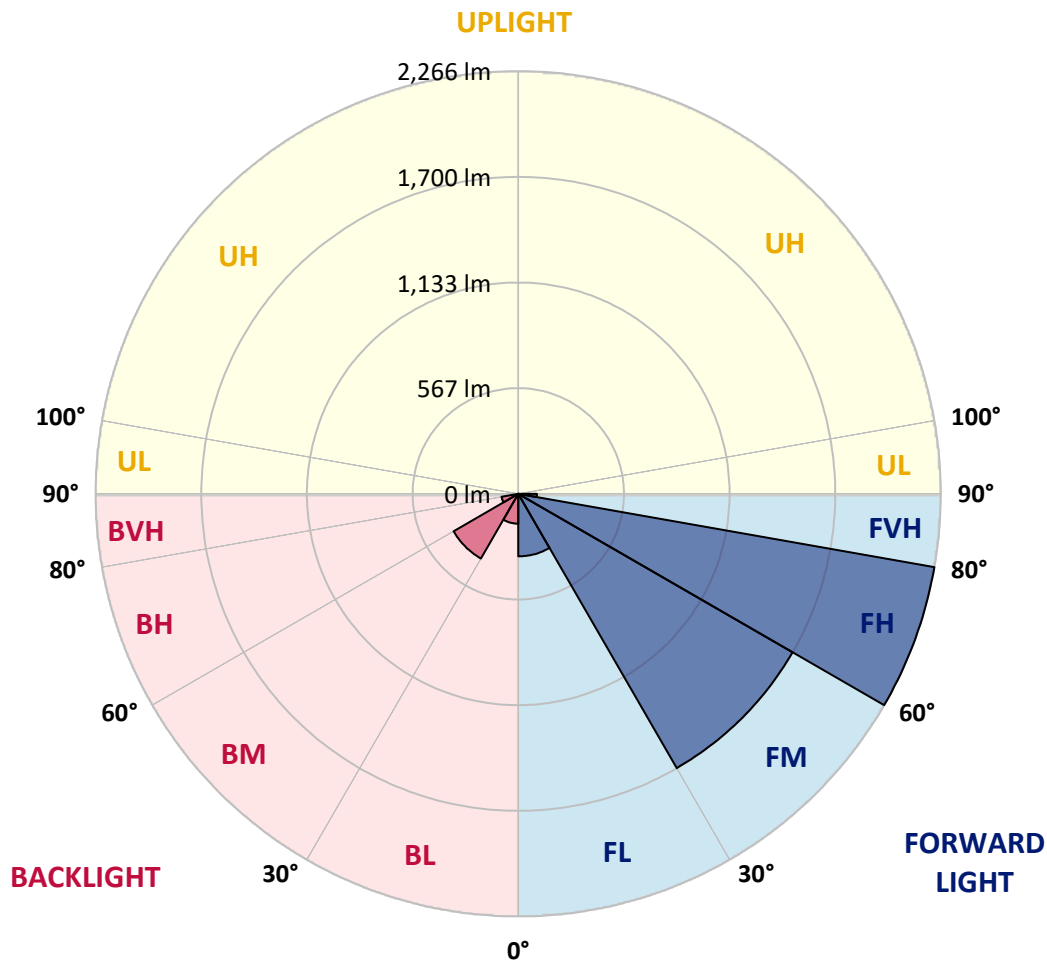


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	335.3	6.6			
FM (30°-60°)	1698.4	33.6			
FH (60°-80°)	2266.0	44.9			G2/5000
FVH (80°-90°)	99.8	2.0			G1/100
BL (0°-30°)	160.1	3.2	B1/500		
BM (30°-60°)	400.6	7.9	B1/1000		
BH (60°-80°)	90.9	1.8	B0/110		G0/110
BVH (80°-90°)	0.8	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	668.9	668.9	668.9	668.9	668.9	668.9	668.9	668.9	668.9	668.9
2.5°	689.1	691.8	690.2	687.2	686.4	684.9	683.0	682.2	679.6	677.3
5°	708.5	711.2	709.3	705.1	703.2	701.3	698.6	696.3	691.0	686.0
7.5°	729.8	732.1	729.8	723.7	720.7	718.4	714.6	711.2	705.1	697.8
10°	753.4	755.3	751.9	743.9	738.9	735.5	732.1	728.3	722.6	714.6
12.5°	775.5	777.7	772.4	762.9	757.2	753.8	750.0	746.9	741.2	733.6
15°	795.6	799.1	789.9	779.7	773.2	770.5	766.7	764.8	761.0	755.7
17.5°	810.9	813.1	803.6	791.4	784.2	782.3	779.7	780.8	780.0	777.4
20°	823.8	825.3	812.8	797.9	789.9	790.3	789.5	793.4	794.9	794.9
22.5°	839.8	840.2	824.2	805.5	796.0	798.7	799.8	804.0	807.0	810.1
25°	860.7	859.9	840.9	815.4	807.0	810.9	813.5	815.0	818.5	823.4
27.5°	891.9	889.6	865.3	831.4	821.5	824.9	829.9	829.1	827.6	831.4
30°	931.5	928.4	896.1	853.9	844.7	847.8	849.3	842.4	831.4	834.8
32.5°	994.3	988.9	944.0	879.0	864.9	868.3	866.4	852.3	836.0	839.4
35°	1103.5	1090.5	1027.0	931.5	887.7	883.9	879.3	865.6	845.5	842.1
37.5°	1335.6	1312.7	1204.3	1033.8	939.5	914.7	900.7	887.0	855.8	842.1
40°	1597.4	1574.1	1449.0	1205.1	1025.5	983.6	950.1	912.1	866.4	847.0
42.5°	1870.6	1845.1	1716.5	1417.4	1148.4	1062.4	1000.0	932.2	883.9	862.2
45°	2175.7	2143.8	1975.6	1638.8	1326.8	1193.3	1080.3	973.7	914.4	889.2
47.5°	2497.6	2456.2	2233.9	1853.8	1519.0	1374.4	1227.1	1047.9	959.3	929.6
50°	2783.0	2741.9	2500.7	2078.7	1698.6	1546.7	1394.5	1150.6	1026.6	986.6
52.5°	2988.1	2956.9	2743.4	2310.8	1885.4	1708.5	1546.4	1270.1	1111.8	1059.7
55°	3125.5	3096.9	2915.4	2530.7	2102.7	1886.5	1695.9	1399.9	1214.6	1147.2
57.5°	3208.8	3192.4	3039.8	2727.1	2318.0	2081.4	1867.1	1542.6	1335.6	1250.3
60°	3238.5	3225.2	3117.1	2914.3	2578.3	2315.4	2068.4	1703.5	1482.4	1367.5
62.5°	3159.3	3162.0	3172.6	3136.1	2852.6	2589.3	2309.7	1896.8	1645.3	1500.3
65°	2786.8	2808.9	3011.3	3381.9	3216.0	2932.5	2616.7	2132.7	1831.7	1651.4
67.5°	2307.4	2339.3	2591.2	3525.7	3603.4	3378.1	3044.4	2433.3	2054.0	1805.1
70°	1766.3	1800.5	2105.7	3495.7	3966.0	3865.2	3573.3	2815.7	2284.2	1911.7
72.5°	1260.6	1278.1	1518.6	3228.2	4114.8	4197.0	3962.9	3178.0	2401.7	1852.7
75°	885.8	882.8	1042.2	2599.6	3883.0	4156.6	3826.3	2982.0	2173.4	1471.8
77.5°	385.8	386.6	520.5	1578.7	3099.2	3550.1	3180.6	1867.9	1515.2	780.0
80°	100.1	103.1	191.0	628.6	1866.0	2343.1	1939.8	821.1	700.1	190.3
82.5°	35.4	37.7	87.9	197.5	688.3	1074.5	863.7	262.5	182.6	54.4
85°	10.3	12.2	47.2	60.5	142.3	303.6	209.7	51.0	44.9	28.2
87.5°	0.0	1.5	9.5	8.4	8.4	5.7	10.7	5.7	7.2	3.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
668.9	0°	668.9	668.9	668.9	668.9	668.9	668.9	668.9	668.9	668.9	668.9
674.6	2.5°	672.4	669.7	664.0	657.9	652.2	646.9	645.3	639.6	637.0	637.3
680.0	5°	675.8	670.8	659.8	646.5	632.8	617.2	604.2	586.0	570.4	568.5
690.2	7.5°	684.9	676.9	659.0	633.2	598.9	555.9	516.0	476.4	453.9	441.8
705.5	10°	699.0	688.3	660.9	611.5	538.8	461.9	401.4	351.6	326.1	314.3
724.1	12.5°	715.7	703.9	664.0	574.6	461.2	360.3	294.9	264.5	259.1	258.4
746.9	15°	739.3	726.4	667.4	524.7	377.1	274.3	244.3	244.7	248.8	251.1
771.7	17.5°	765.6	752.6	662.5	463.8	294.1	234.4	233.6	237.1	243.1	245.4
794.5	20°	792.2	780.0	645.0	392.3	237.8	223.4	226.4	230.2	236.3	239.3
816.9	22.5°	819.6	809.0	617.2	316.2	214.6	215.4	219.2	223.0	229.8	233.2
839.0	25°	848.9	839.8	580.3	253.4	204.7	207.0	211.9	216.5	223.7	227.9
857.7	27.5°	878.6	871.7	538.4	211.6	195.6	198.2	204.0	210.0	217.3	222.2
874.0	30°	910.9	907.1	504.9	196.0	186.8	189.1	195.6	202.4	210.4	216.5
890.4	32.5°	944.0	943.3	488.6	207.4	178.8	180.4	186.1	192.9	202.8	210.4
904.1	35°	976.8	978.3	479.1	239.7	176.2	172.0	175.8	181.9	193.7	203.2
919.7	37.5°	1018.6	1022.4	478.7	274.7	182.6	163.6	166.3	170.5	180.7	191.8
944.0	40°	1081.0	1101.2	503.0	304.8	194.1	156.0	156.8	157.5	162.9	172.0
976.4	42.5°	1164.0	1222.9	590.9	325.3	198.6	149.2	146.5	142.3	141.5	146.5
1020.5	45°	1267.1	1370.2	745.4	336.7	194.1	141.5	134.3	123.3	119.1	122.5
1080.3	47.5°	1388.5	1531.5	928.4	339.4	186.4	132.0	119.1	104.6	101.2	102.4
1160.5	50°	1506.8	1652.5	1089.4	317.3	173.9	119.9	102.4	90.2	87.9	88.3
1255.3	52.5°	1611.4	1694.0	1135.0	265.2	157.1	105.0	87.9	79.5	78.0	78.0
1359.9	55°	1680.7	1649.1	1012.1	202.8	136.2	89.8	75.3	71.2	70.4	70.0
1476.7	57.5°	1695.1	1503.0	764.4	146.5	106.5	75.7	67.0	64.7	63.2	61.6
1596.6	60°	1643.4	1259.5	486.7	102.4	79.9	64.7	59.4	57.8	54.8	51.7
1709.2	62.5°	1531.5	951.3	269.4	71.2	64.3	55.2	52.5	50.6	44.9	40.0
1798.6	65°	1381.2	632.4	119.1	55.6	52.5	46.4	44.9	42.2	35.4	29.7
1832.5	67.5°	1230.2	364.1	53.7	44.5	42.2	38.1	36.9	35.0	30.1	24.7
1746.1	70°	1057.8	184.5	36.9	35.4	32.7	28.9	30.1	29.7	24.7	20.2
1424.2	72.5°	787.6	91.7	27.8	26.6	23.6	20.5	24.7	24.4	19.4	15.2
878.2	75°	446.0	45.3	20.2	18.6	14.1	15.2	19.8	18.6	13.3	9.9
370.6	77.5°	176.9	23.2	13.3	11.4	8.4	10.3	14.5	12.6	6.8	4.2
70.8	80°	40.7	11.4	6.8	4.9	3.8	6.1	7.6	4.6	1.9	0.4
19.0	82.5°	11.4	4.9	2.3	1.9	1.9	2.3	1.9	0.8	0.0	0.0
4.9	85°	3.8	2.3	0.8	0.4	0.4	0.4	0.4	0.0	0.0	0.0
1.5	87.5°	1.5	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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180°
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668.9
637.0
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